

In the Claims:

Please amend claims 3, 6, and 7 as follows:

Sub
C1

3. (Amended) A centrifuge for decanting lighter material from heavier material from a mixture of initial material, the centrifuge comprising:

- a housing including a central body, said central body defining an axis;
- a hollow arm extending from said central body, said arm including a first end attached to said central body, and a second end extending away from said central body, said hollow arm defining a chamber including tubes, said tubes defining walls;
- a baffle attached to said central body and extending into said chamber, said baffle defining a flow path between said tube walls within said chamber;
- said flow path including a first exit path for guiding said lighter material out of said housing and a second exit path for guiding said heavier material through said housing; and
- an entrance path for receiving the mixture of initial material, said entrance path formed in said housing and communicating with said flow path via said outermost tube of said hollow arm.

B1

6. (Amended) The centrifuge of claim 4, further comprising:

- a drive motor for providing rotational motion; and
- a ring gear coupled to said housing for engagement with said drive motor, said ring gear adapted to convert rotational motion of said drive motor to rotations of said housing within said frame.

B2

7. (Amended) The centrifuge of claim 3, wherein said chamber has an inner portion and an outer portion and wherein said tube walls become progressively shorter from said inner portion of said chamber to said outer portion of said chamber.